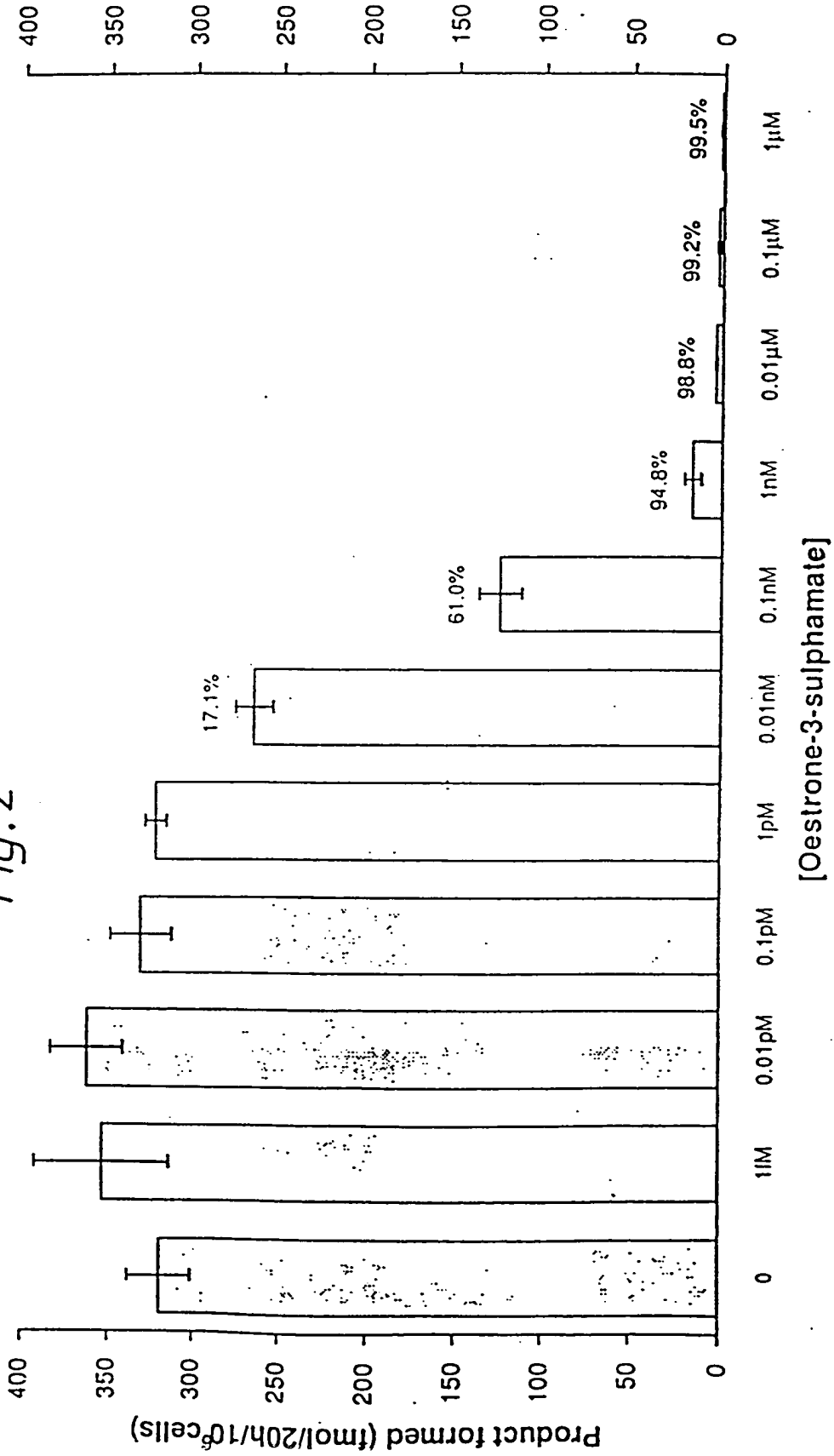


Fig.1

KEY ENZYMES IN STEROIDOGENESIS:-

- 1. SULPHATASE
- 2. AROMATASE
- 3. DEHYDROGENASE
- 4. 5αREDUCTASE

Fig. 2



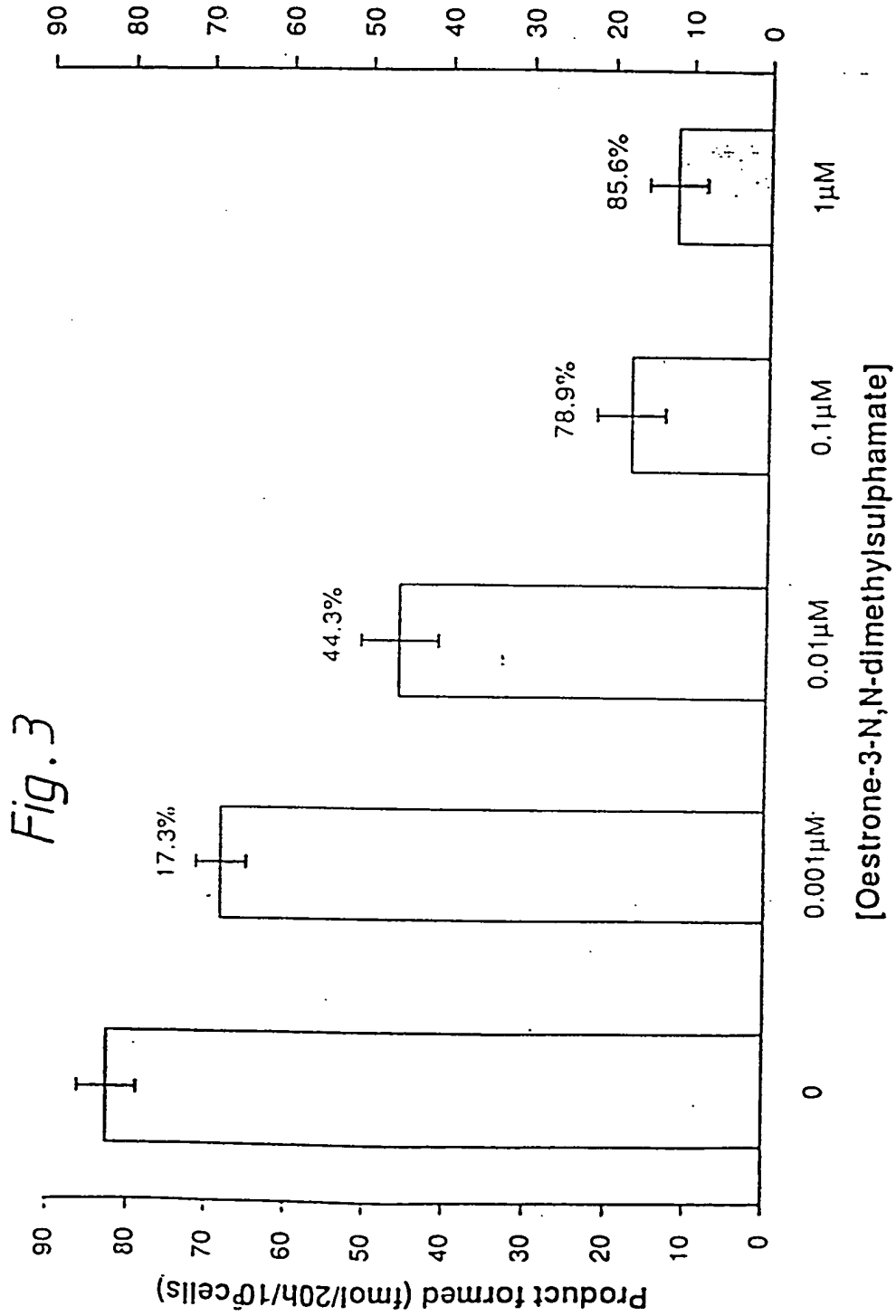
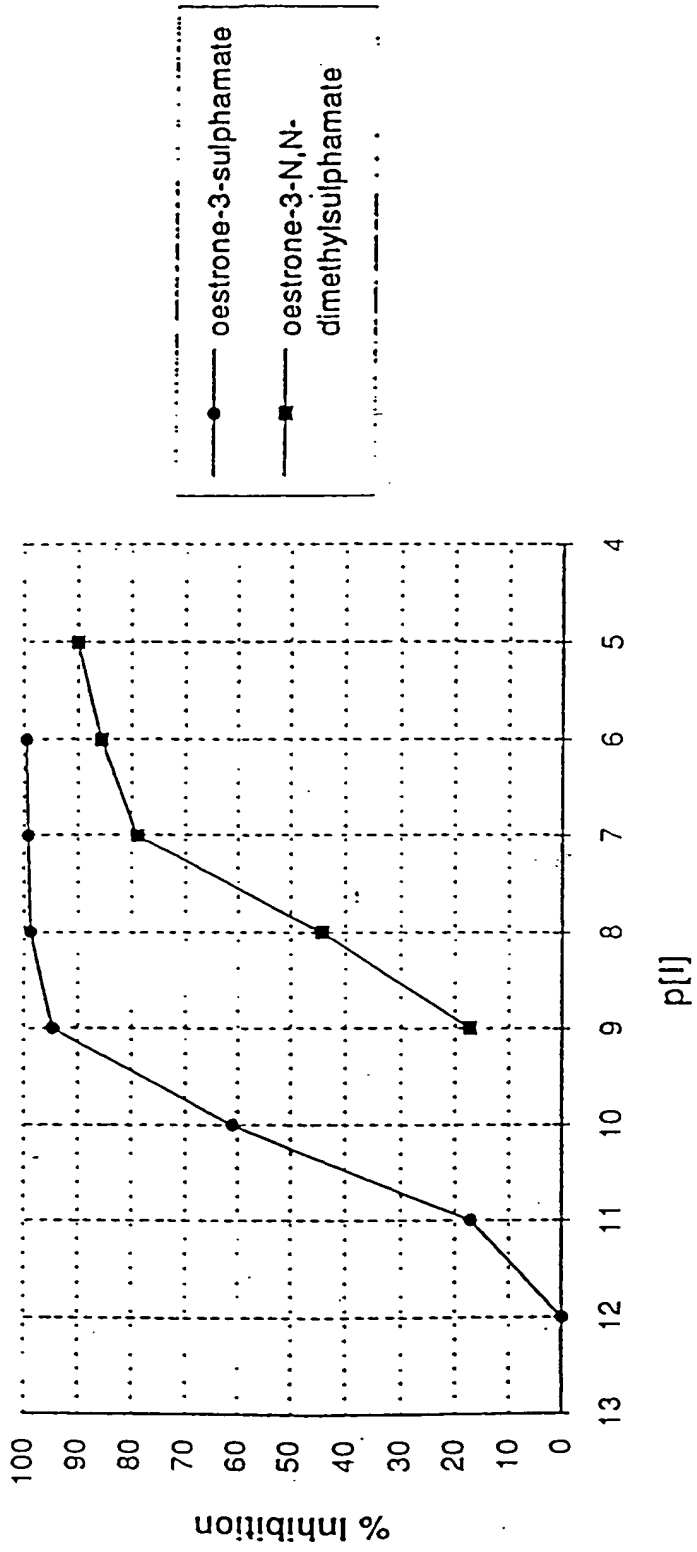
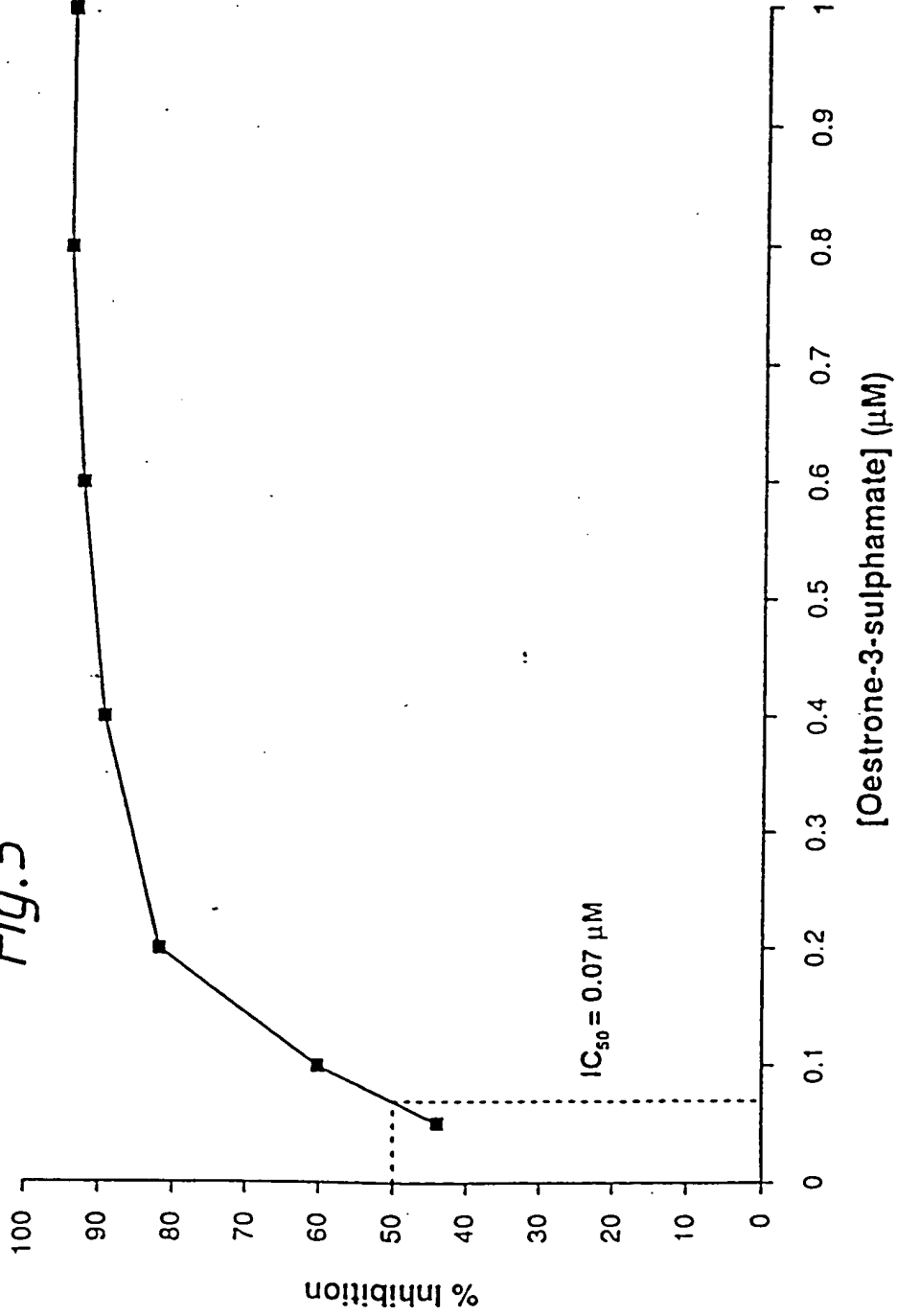


Fig. 4



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Fig. 5



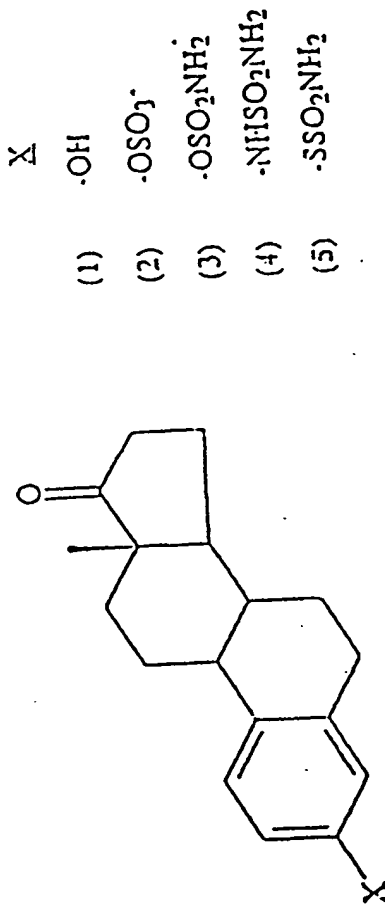
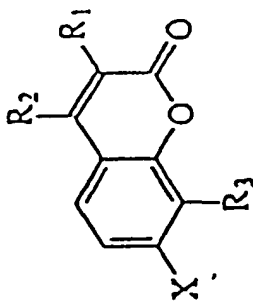


FIG. 6



	X	R1	R2	R3
(11)	-OH	H	H	H
(12)	-OSO <sub>3</sub> <sup>-</sup>	H	CH <sub>3</sub>	H
(13)	-OSO <sub>2</sub> NH <sub>2</sub>	H	H	H
(14)	-OSO <sub>2</sub> NH <sub>2</sub>	H	CH <sub>3</sub>	H
(15)	-OSO <sub>2</sub> NH <sub>2</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>
(16)	-OSO <sub>2</sub> NH <sub>2</sub>	H	CF <sub>3</sub>	H

FIG. 7

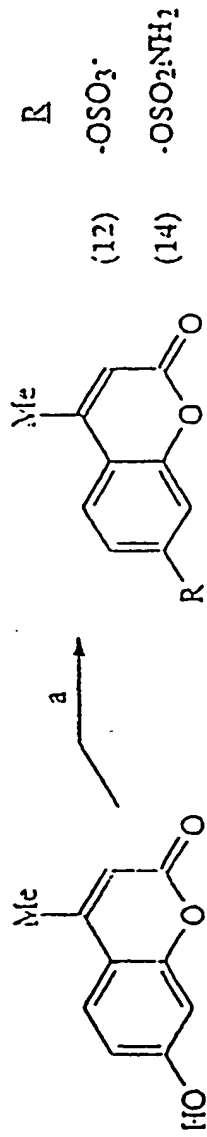


FIG. 8



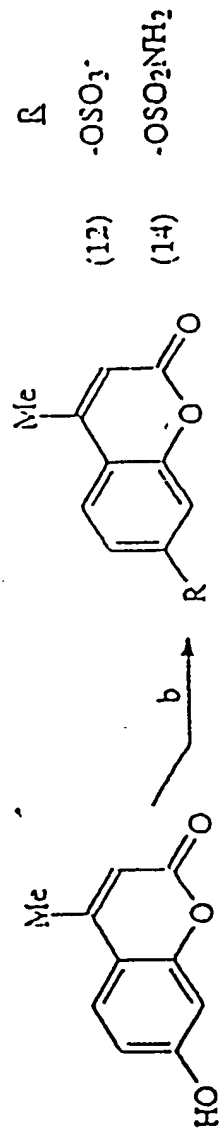


FIG. 9

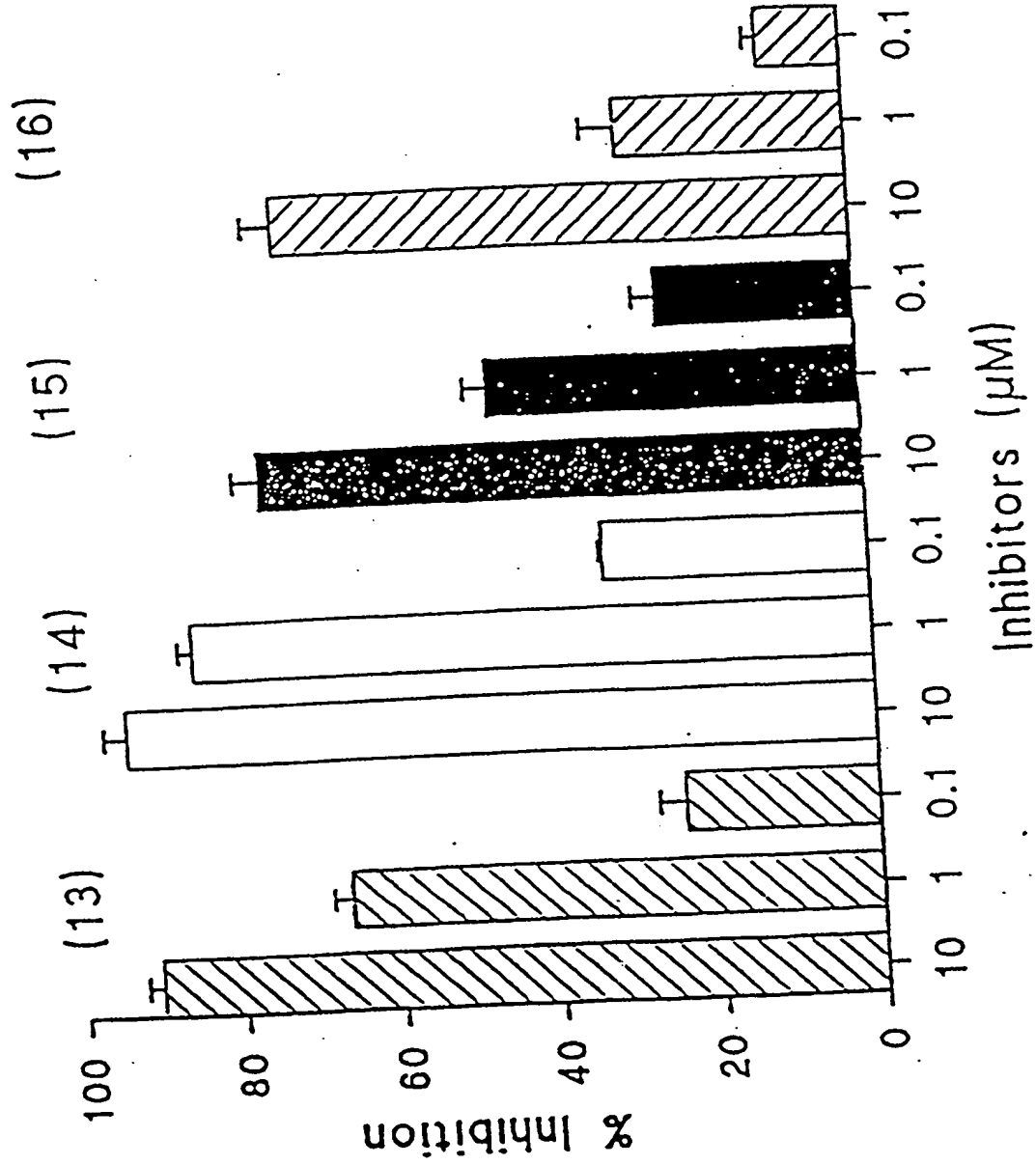


FIG. 10

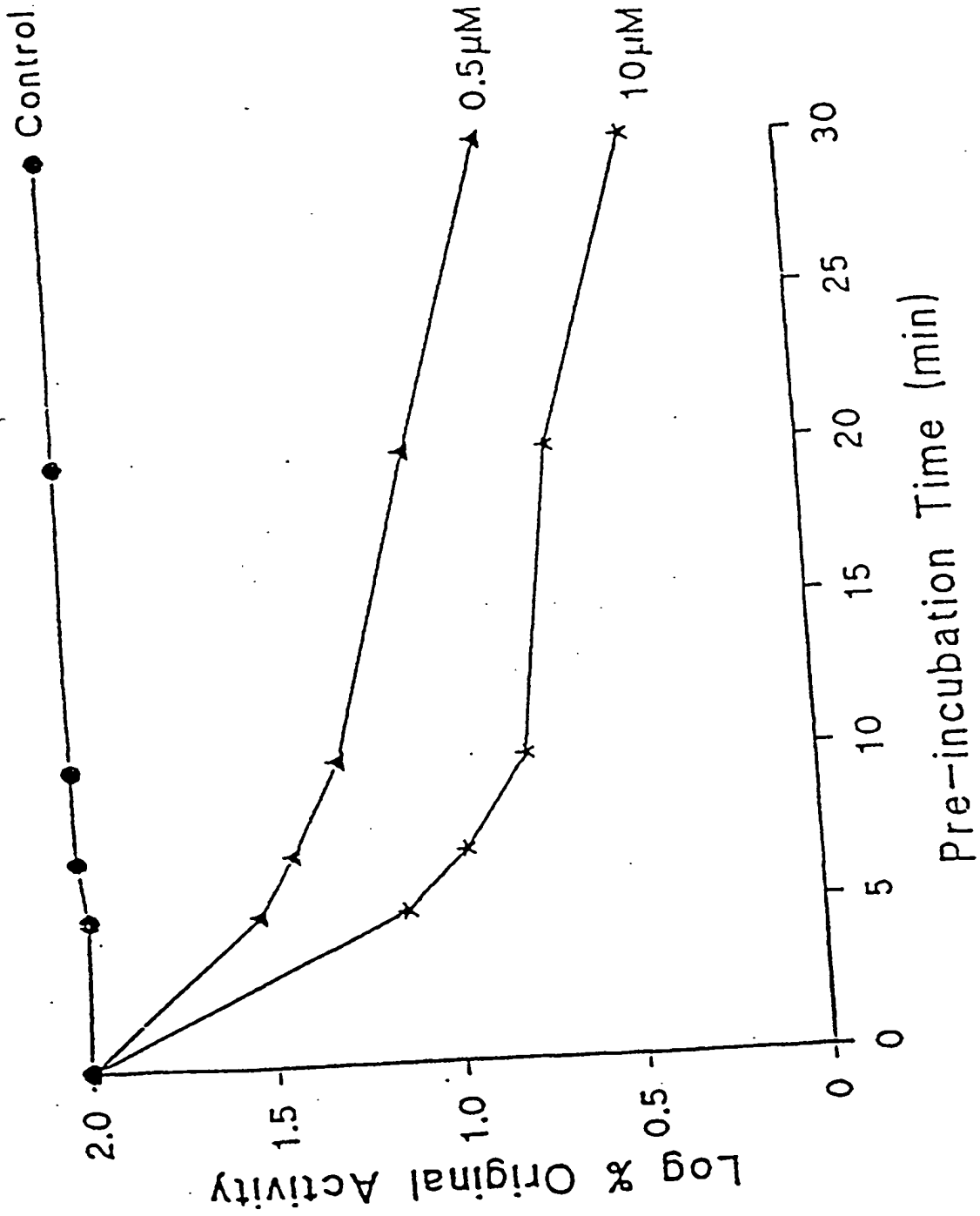


FIG. 11

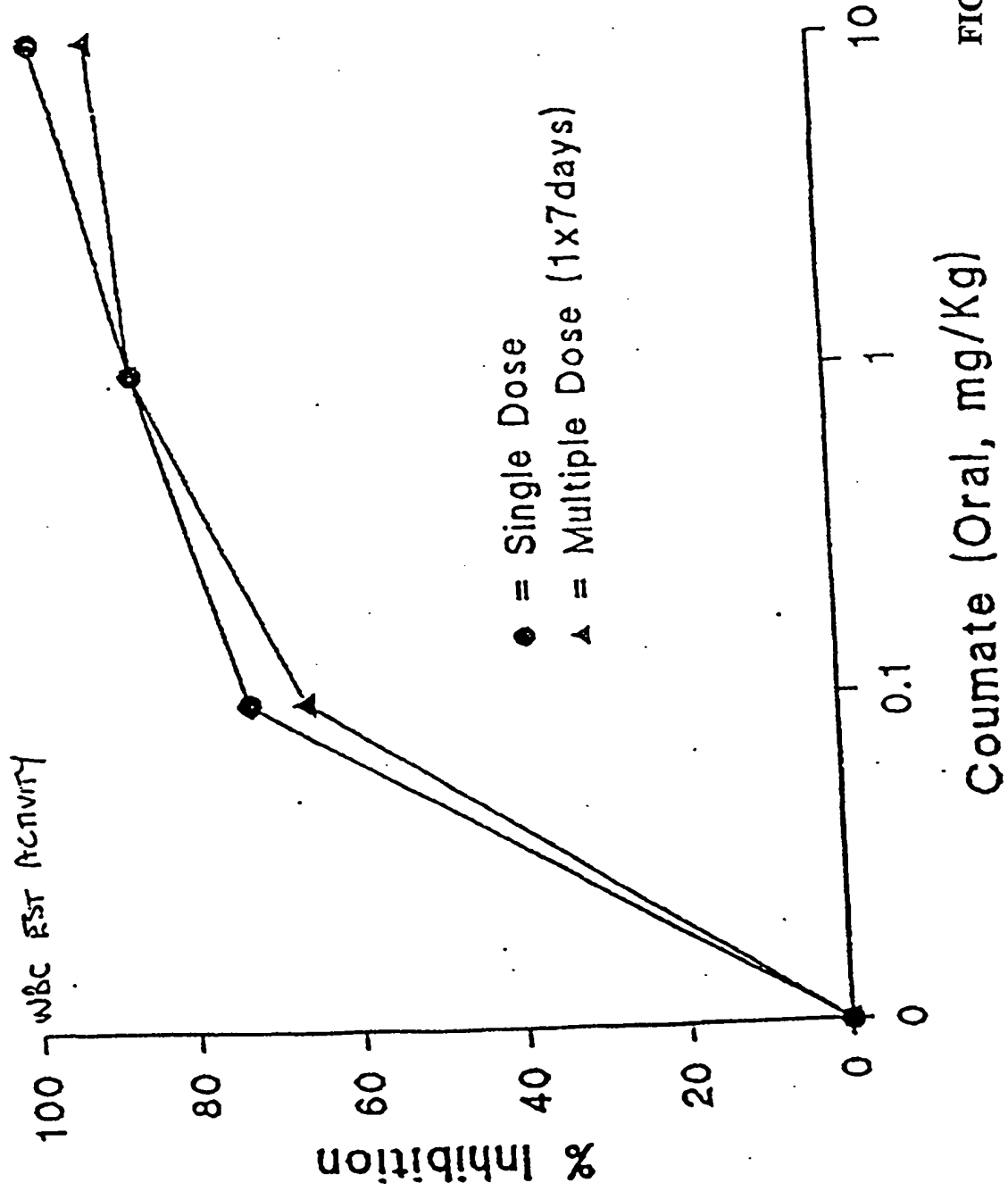
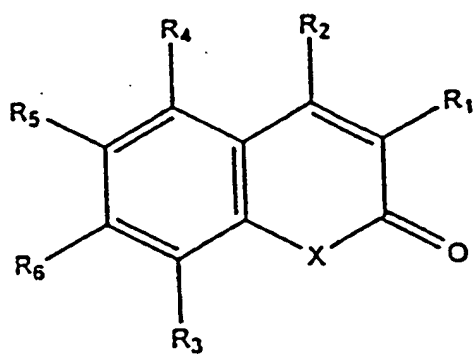
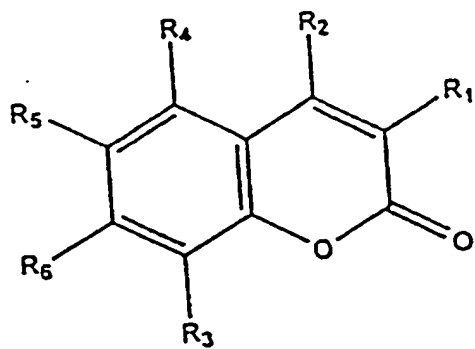


FIG. 12

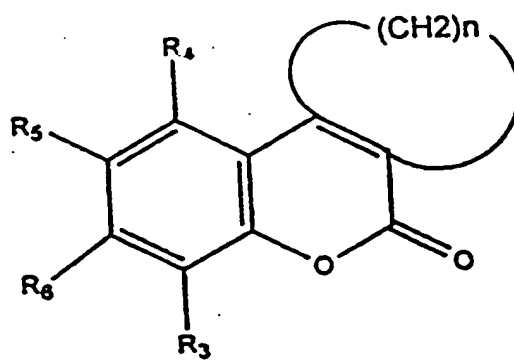
FIG. 13



(A)



(B)



(C)

FIG. 14

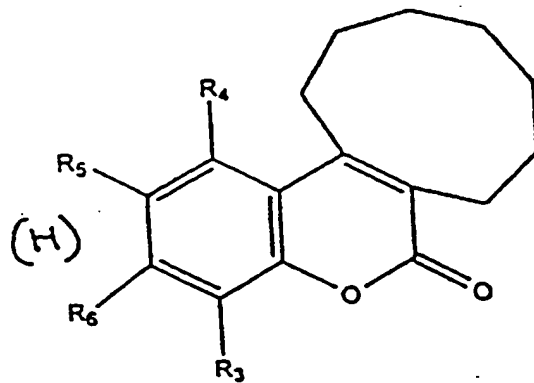
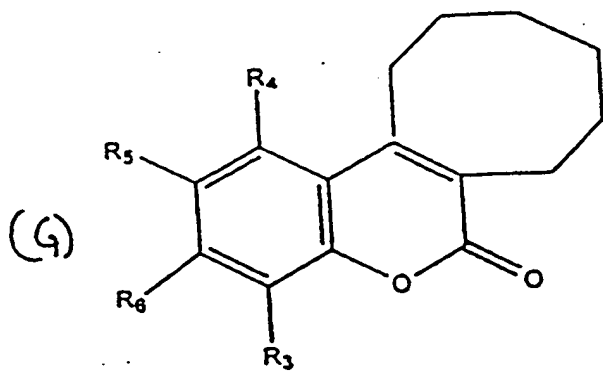
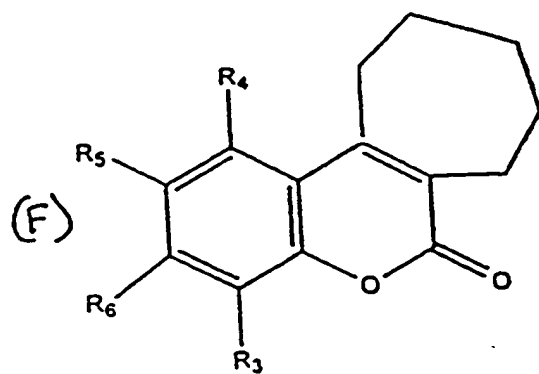
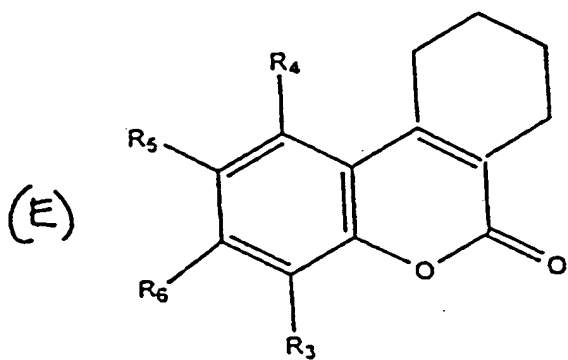
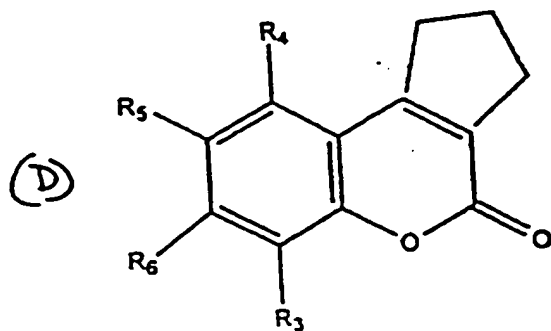
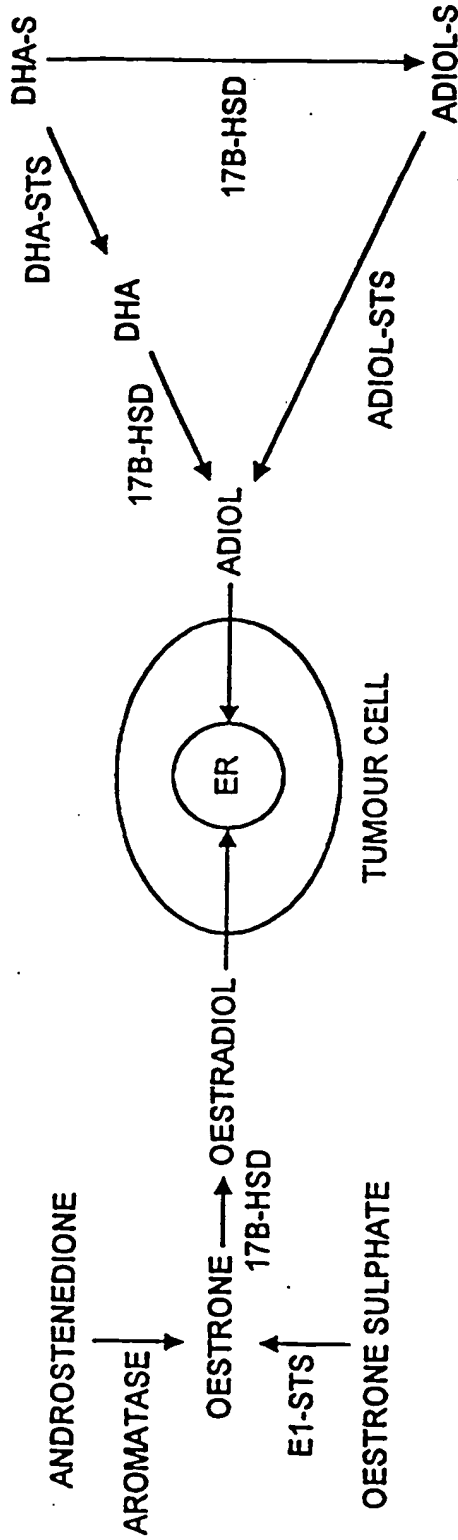


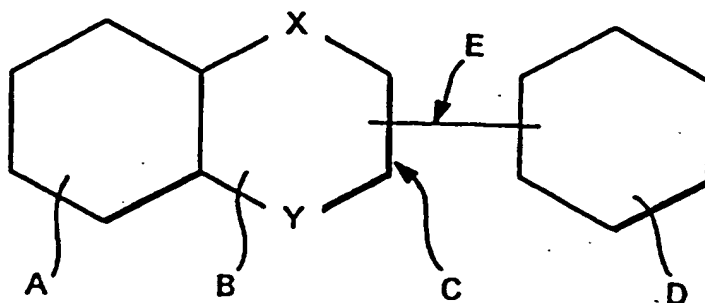
FIG. 15

ORIGIN OF OESTROGENIC STEROIDS IN POSTMENOPAUSAL WOMEN



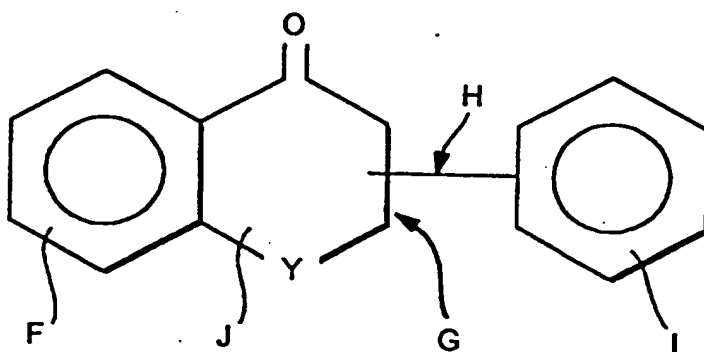
ER=OESTROGEN RECEPTOR, DHA / -S=DEHYDROEPIANDROSTERONE / -SULPHATE,  
 ADIOL=ANDROSTENEDIOL, E1-STs=OESTRONE SULPHATASE, DHA -STs=  
 DHA-SULPHATASE, ADIOL-STs=ADIOL SULPHATASE, 17B-HSD=OESTRADIOL 17B-  
 HYDROXYSTEROID DEHYDROGENASE

FIG. 16a



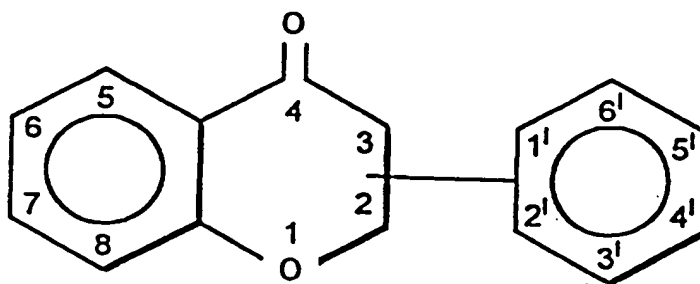
I

FIG. 16b



II

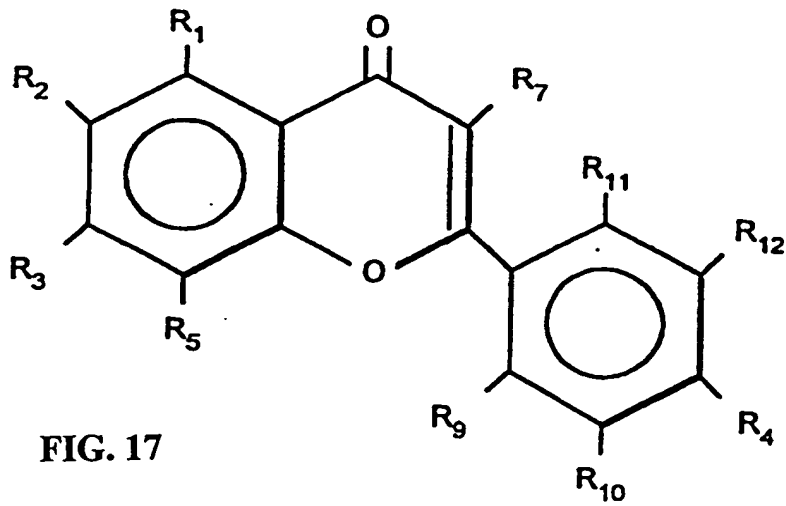
FIG. 16c



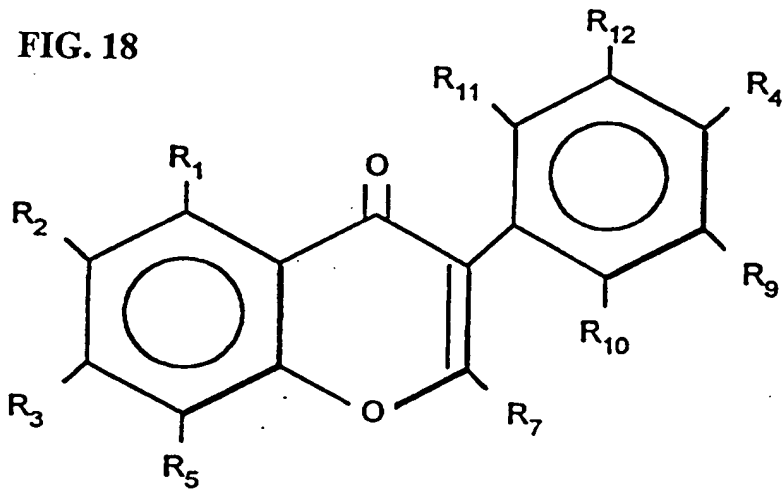
III



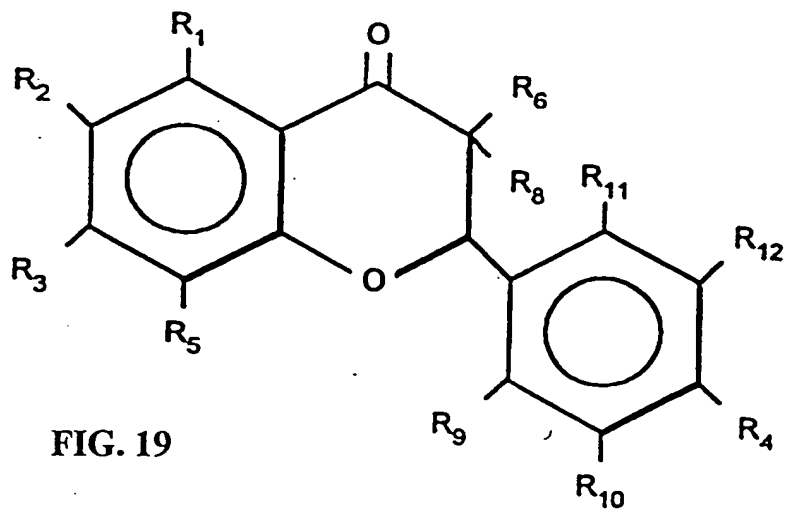
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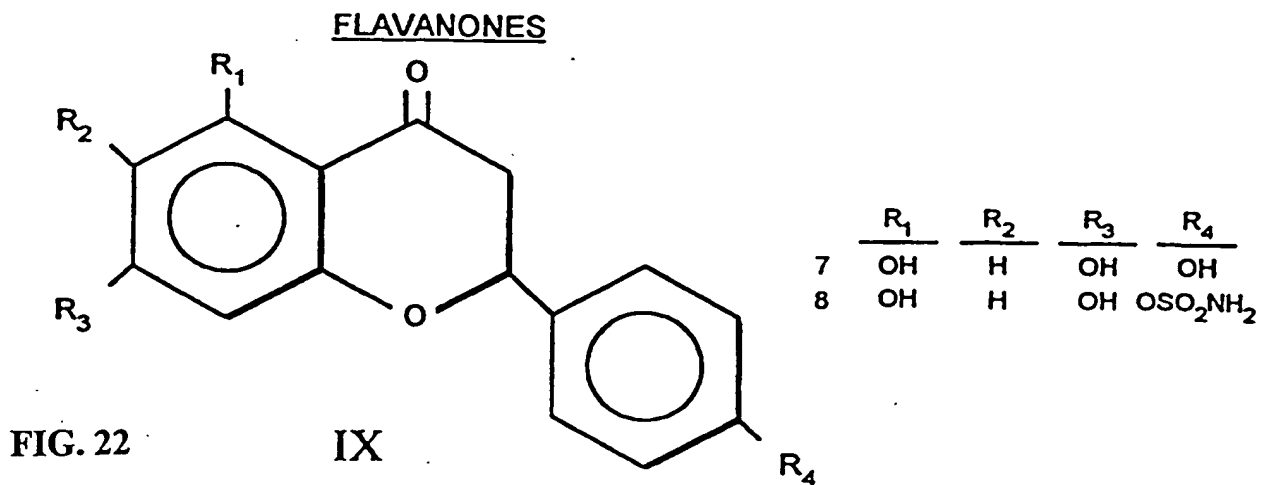
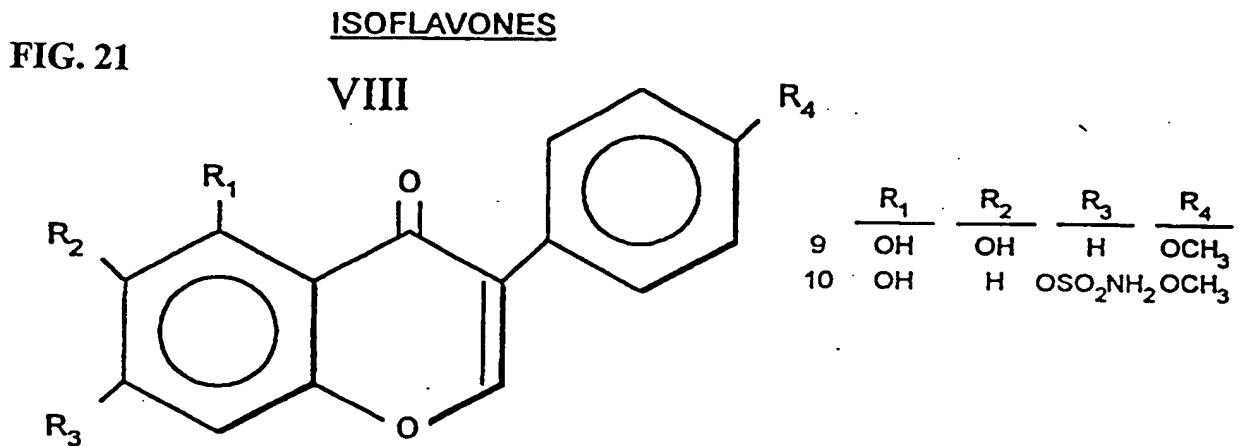
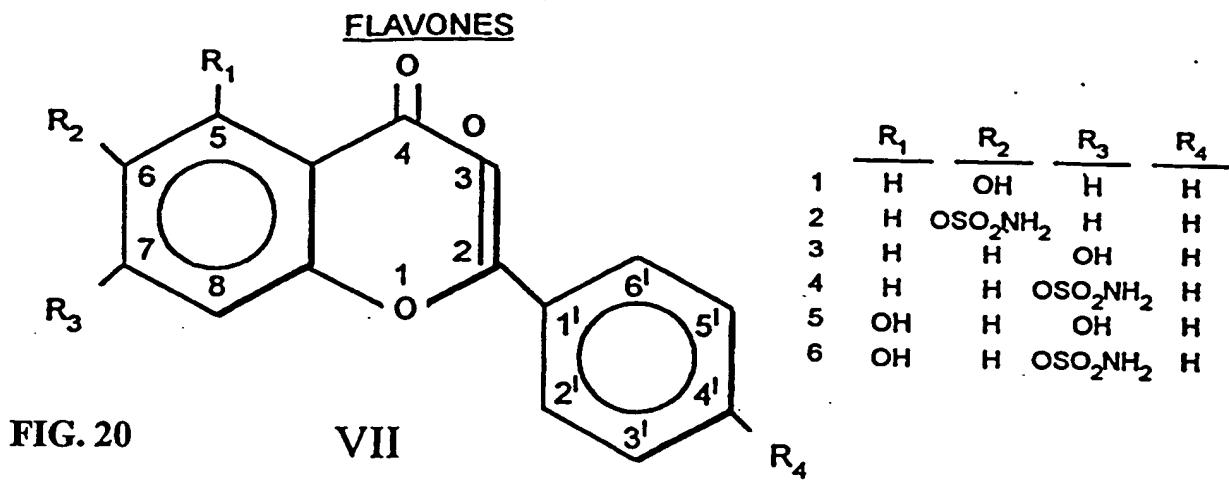
IV



V



VI



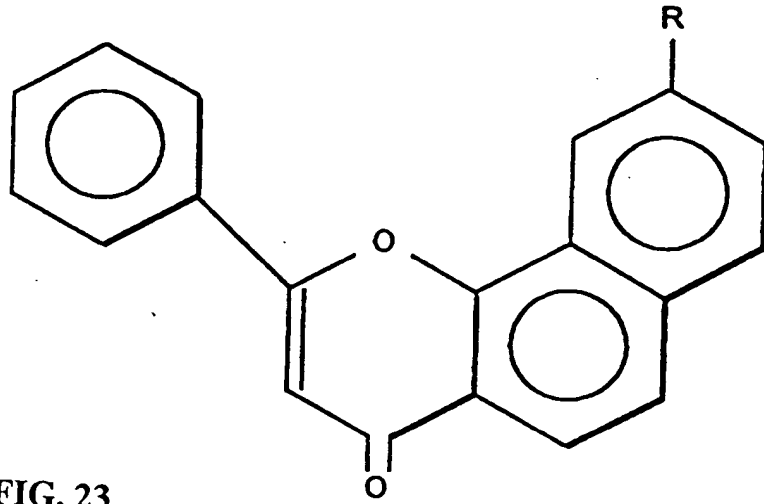


FIG. 23

X

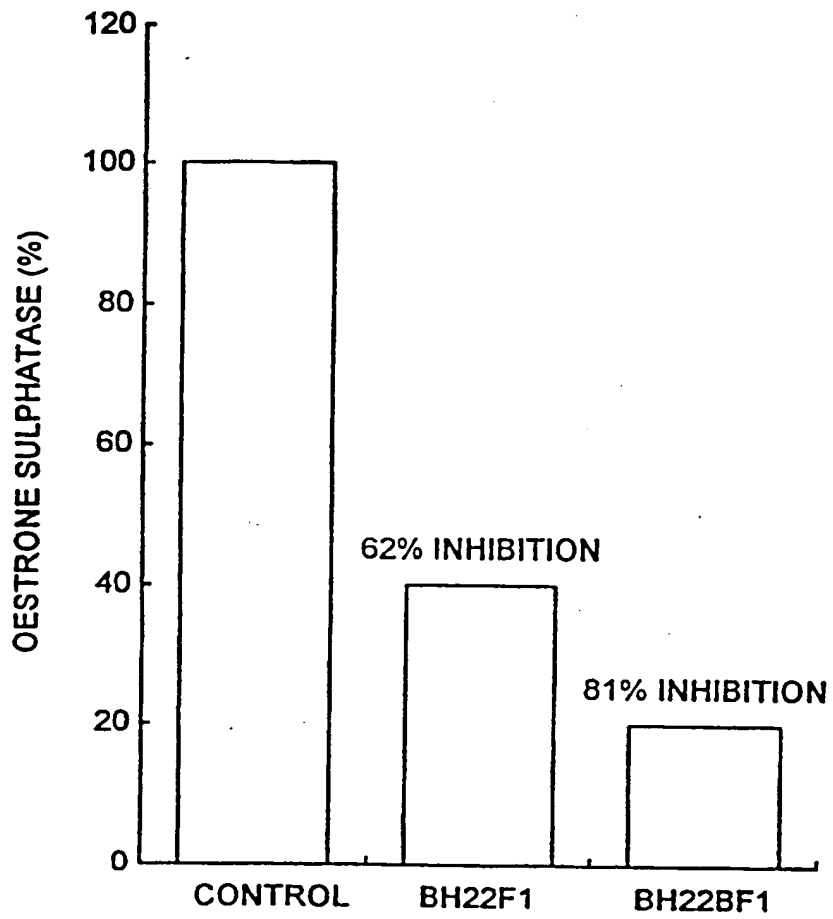
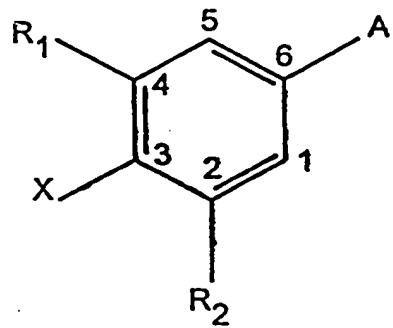


FIG. 24

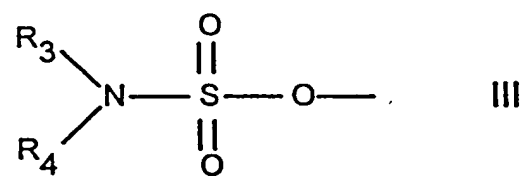
X - B - A I

FIG. 25



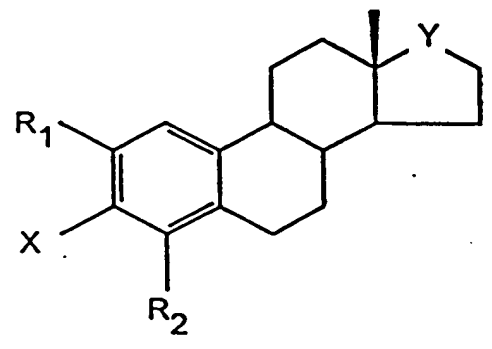
II

FIG. 26



III

FIG. 27



IV

FIG. 28

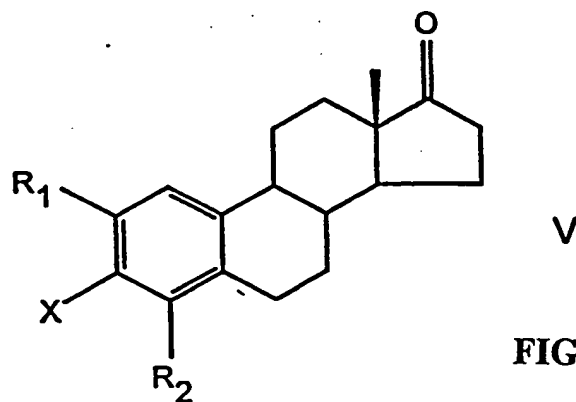
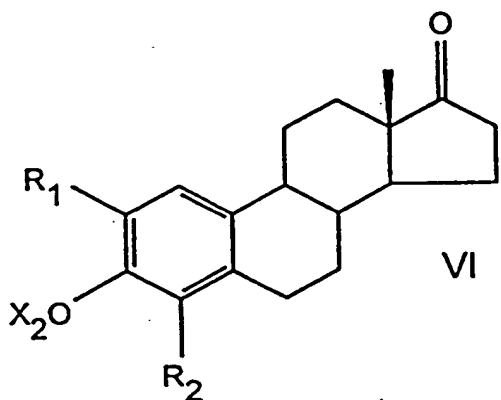
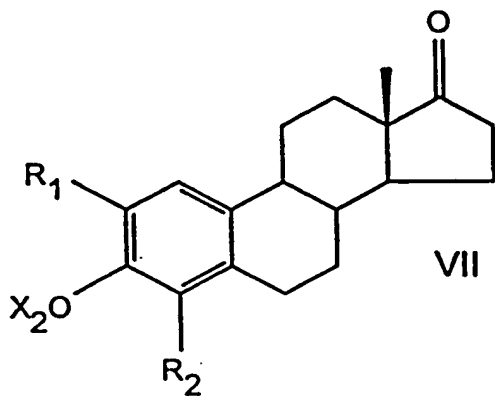


FIG. 29



	$X_2 = -SO_2NH_2$
	$\frac{R_1}{R_2}$
a)	$\frac{n-CH_2CH_2CH_3}{H}$
b)	$\frac{H}{n-CH_2CH_2CH_3}$
c)	$\frac{n-CH_2CH_2CH_3}{n-CH_2CH_2CH_3}$

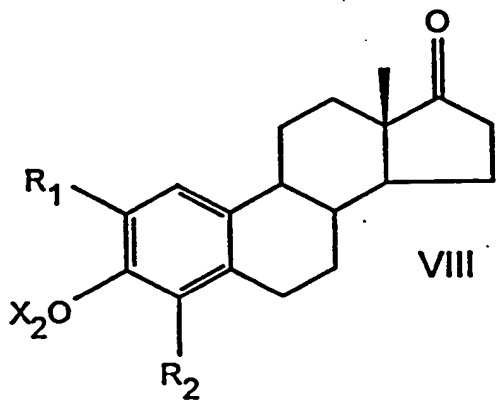
FIG. 30



	$X_2 = -SO_2NH_2$
	$\frac{R_1}{R_2}$
a)	$\frac{-CH_2CH=CH_2}{H}$
b)	$\frac{H}{-CH_2CH=CH_2}$
c)	$\frac{-CH_2CH=CH_2}{-CH_2CH=CH_2}$

FIG. 31

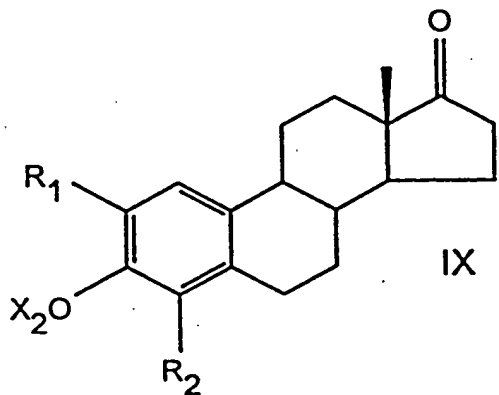
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	$R_1$	$R_2$
a)	H <sub>3</sub> CO-	H
b)	H	H <sub>3</sub> CO-
c)	H <sub>3</sub> CO-	H <sub>3</sub> CO-

$X_2 = -SO_2NH_2$

FIG. 32



	$R_1$	$R_2$
a)	-NO <sub>2</sub>	H
b)	H	-NO <sub>2</sub>
c)	-NO <sub>2</sub>	-NO <sub>2</sub>

$X_2 = -SO_2NH_2$

FIG. 33

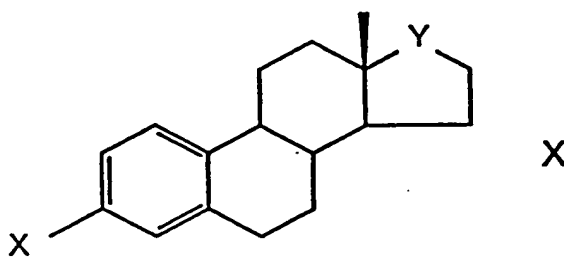
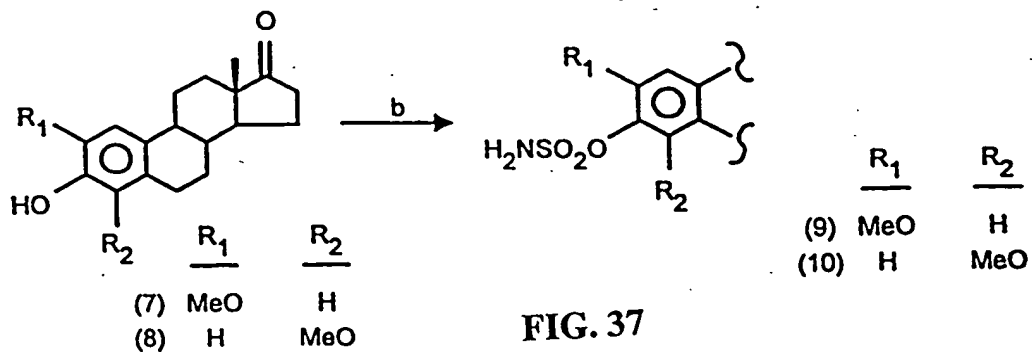
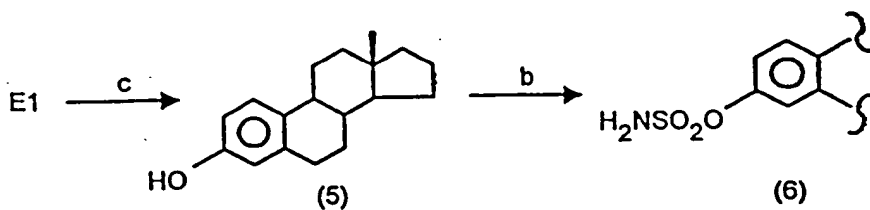
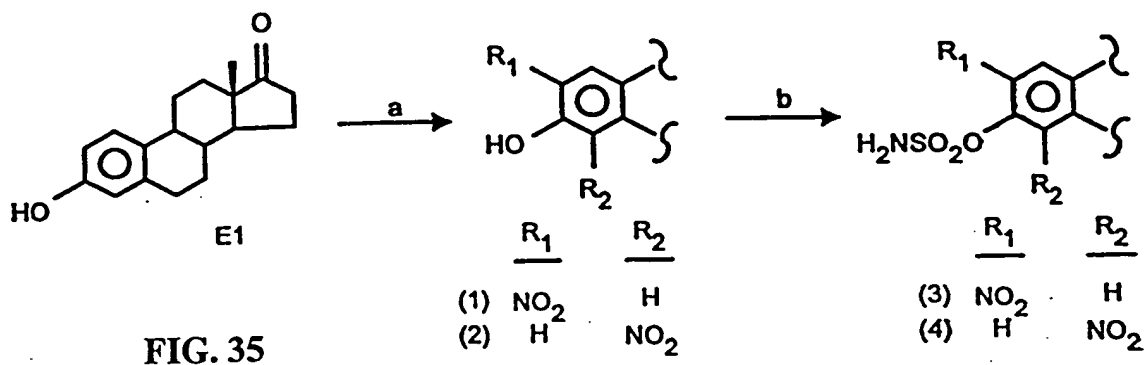


FIG. 34





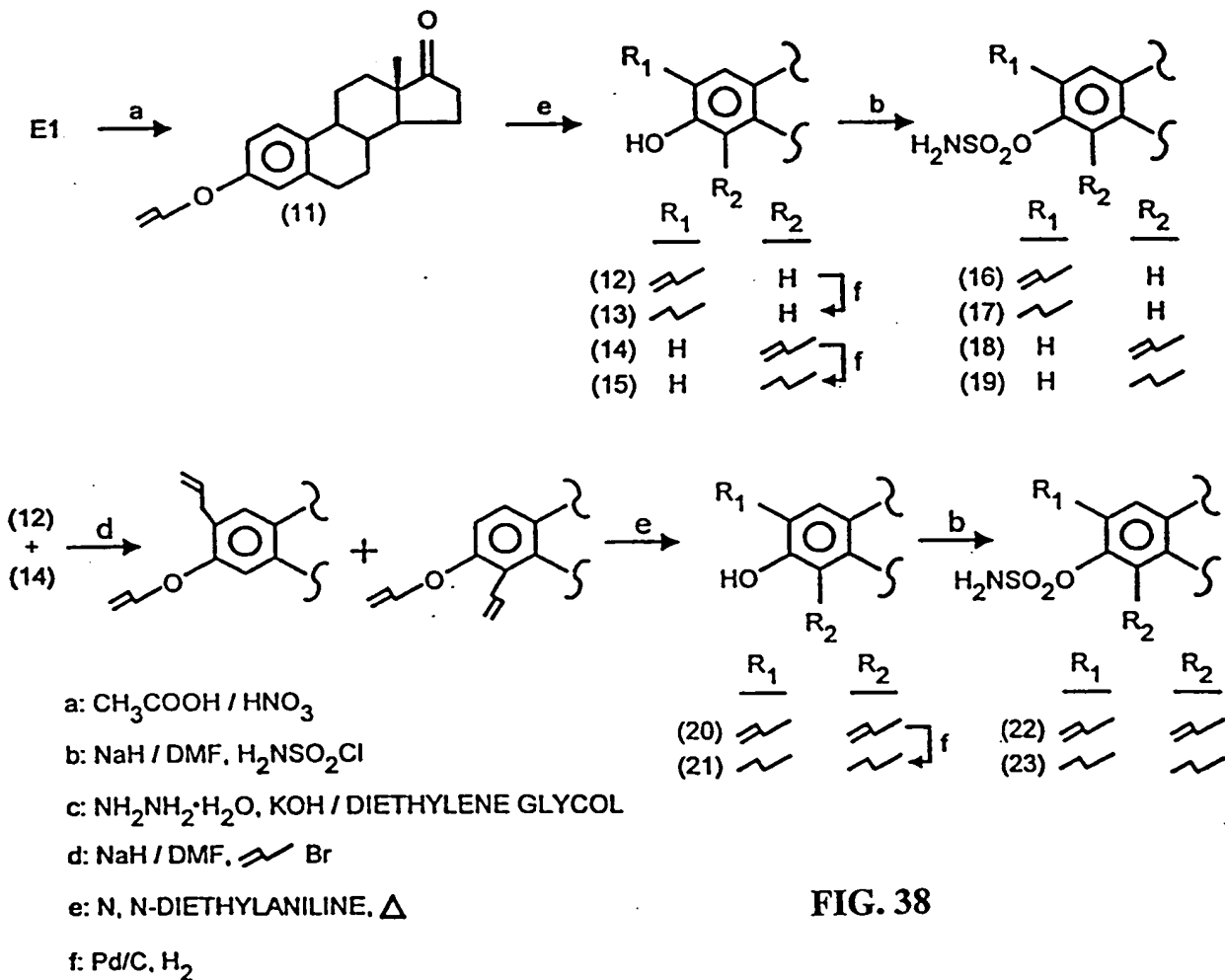


FIG. 38

IN VIVO INHIBITION OF OESTRONE SULPHATASE BY NOMATE (0.1 mg/Kg/DAY FOR 5 DAYS)

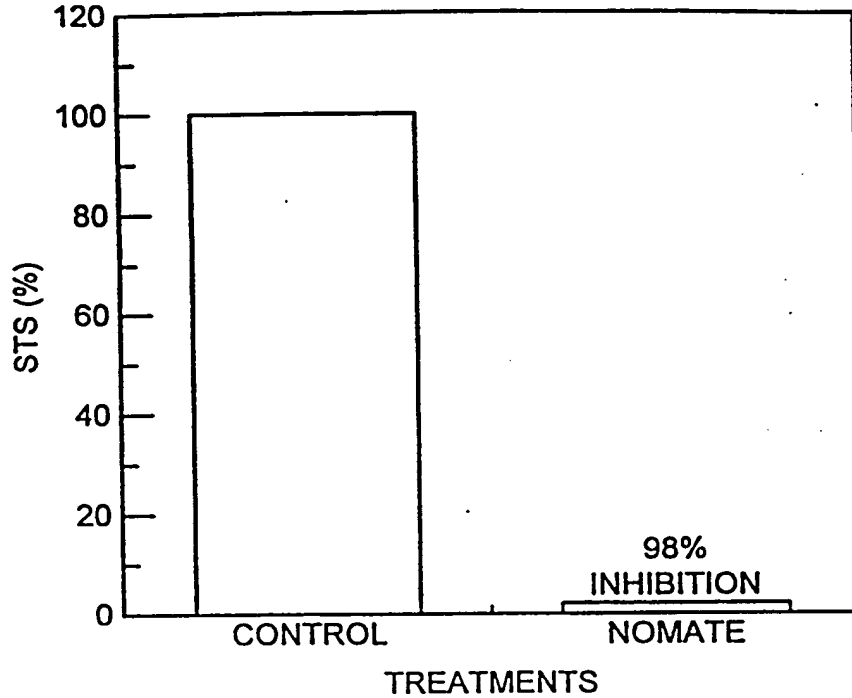


FIG. 39

LACK OF EFFECT OF NOMATE (0.1mg/Kg/DAY FOR 5 DAYS) ON UTERINE WEIGHTS OVARIECTOMISED RATS

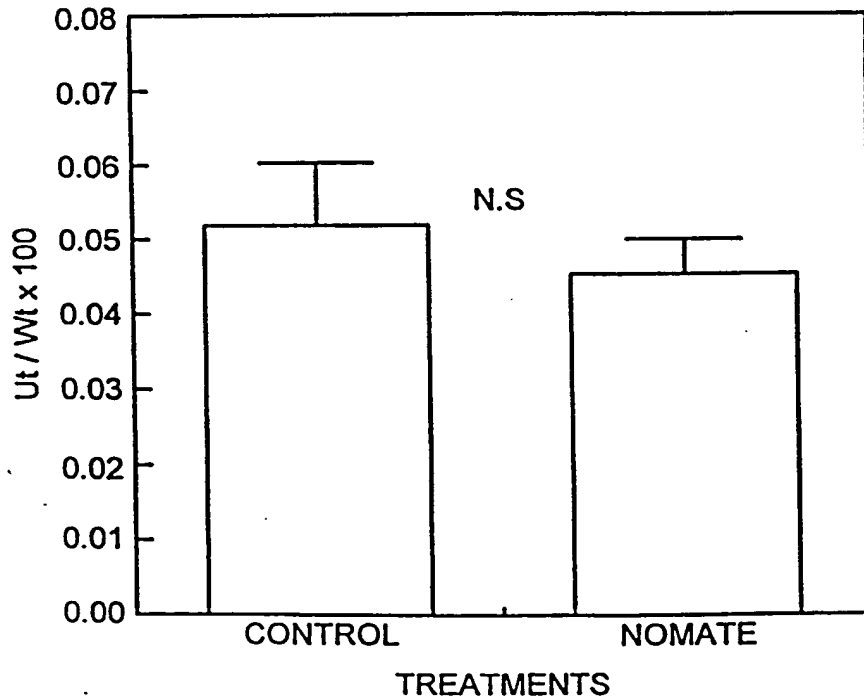


FIG. 40